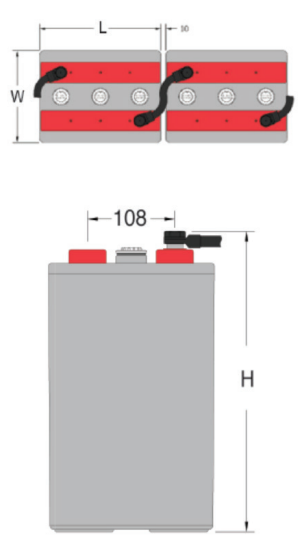


ARG-12V-2-OPZV 120 DATA SHEET

TECHNICAL CHARACTERISTICS		
Capacity (Ah), C ₁₀₀ (1,80 V/cell, 20°C)	131	
Capacity (Ah), C ₁₀ (1,80 V/cell, 20°C)	102	
Number of plates (+) per cell	2	
Floating voltage set point (V/cell)	2,25	
Maximum initial charge current (A)	30 (0,3 C ₁₀)	
Recommended Boost Charge Voltage (V/cell)	2,35	
Recommended End of Discharge voltage for 120h rate (V/cell)	1,85	
Short circuit current (A)	1290	
Internal resistance (mΩ)	9,50	
Number of cycles at 60% depth of discharge (20°C)	2000	
Self-discharge rate per month at 20 °C	Approx. 2%	
Dimensions in mm (LxWxH1/H2) H1 = Height to the lid H2 = Height including connectors & bolts	272 x 205 x 332 / 372	
Pole Distance (mm)	50,5	
Weight (kg)	M10 / 2	
Type and number of poles	M10 / 4	

CONSTANT CURRENT DISCHARGE IN A (AT 20°C)

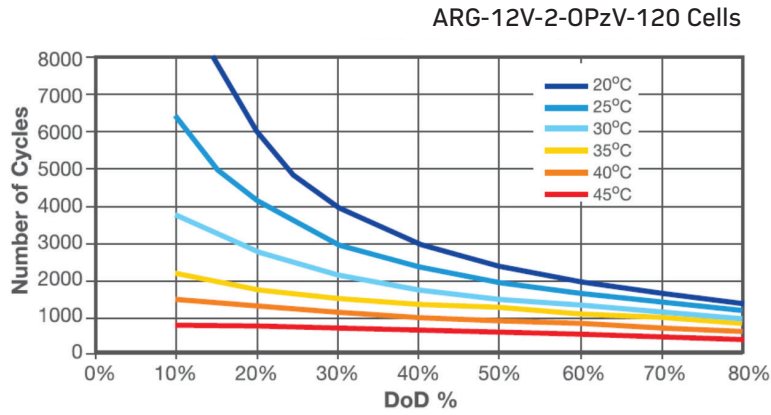
End Voltage	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	10,20	8,75	5,63	4,80	2,58	2,48	1,77	1,31	1,10	0,80	0,57
1,83 V	9,77	8,39	5,43	4,63	2,50	2,41	1,72	1,27	1,07	0,78	0,55
1,85 V	9,38	8,07	5,24	4,47	2,42	2,33	1,67	1,24	1,04	0,76	0,54
1,90 V	8,13	7,02	4,59	3,93	2,15	2,07	1,49	1,11	0,94	0,69	0,49
1,92 V	7,52	6,50	4,27	3,66	2,01	1,94	1,40	1,04	0,88	0,65	0,47
2,00 V	4,50	3,94	2,67	2,32	1,32	1,28	0,93	0,70	0,60	0,45	0,31

CONSTANT POWER DISCHARGE IN W/CELL (AT 20°C)

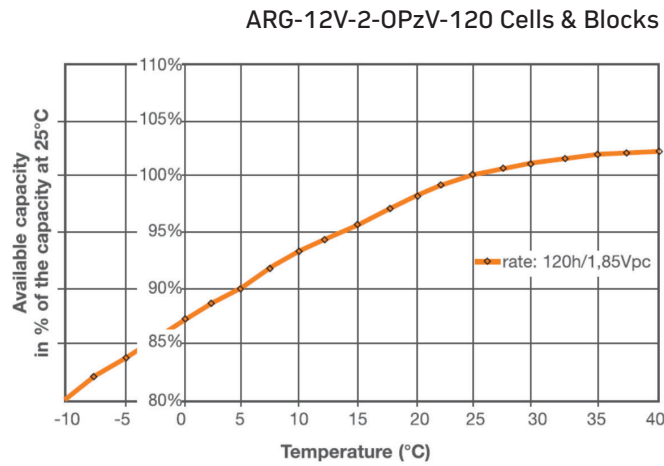
End Voltage	DISCHARGE TIME										
	10 h	12 h	20 h	24 h	48 h	50 h	72 h	100 h	120 h	168 h	240 h
1,80 V	19,43	16,72	10,87	9,29	5,05	4,86	3,50	2,59	2,19	1,60	1,14
1,83 V	18,68	16,10	10,51	8,99	4,90	4,73	3,41	2,52	2,13	1,56	1,12
1,85 V	18,00	15,53	10,17	8,71	4,77	4,60	3,32	2,46	2,08	1,53	1,09
1,90 V	15,75	13,64	9,00	7,73	4,27	4,12	2,99	2,23	1,89	1,39	1,00
1,92 V	14,64	12,69	8,41	7,23	4,01	3,87	2,82	2,10	1,79	1,32	0,95
2,00 V	8,96	7,85	5,36	4,66	2,69	2,60	1,91	1,44	1,23	0,92	0,64



EXPECTED NUMBER OF CYCLES VS. DoD



CAPACITY VS. TEMPERATURE



GUIDANCE FOR THE INITIAL LOW VOLTAGE DISCONNECT SETTINGS (25°C REFERENCE TEMPERATURE)

